Speakers

Jim Arseneaux
VP of Engineering, Beacon Power
Jim is VP of Engineering at Beacon Power LLC. He is in charge of developing advanced Flywheel Energy Storage Systems for grid applications. He has been with Beacon for 14 years and has been involved with their flywheel designs from the initial 2kWh UPS model to leading the design of the current 30 kWh production unit. He was responsible for overall plant design and systems integration for the world's first Flywheel Frequency Regulation plant in Stephentown NY. Prior to joining Beacon he worked at GE and was in charge of mechanical systems design for jet engines including the T700/Blackhawk and F414/F18 engines. He holds several patents for bearing system applications. He has a BS in Engineering from Tufts University and MS from Northeastern University.

Jost Broichmann
Sales and Communication Manager, WEMAG

Torsten Buddenberg
Proposal Management - Plant system integration, MHPSE
Dipl.-Ing. Torsten Buddenberg graduated from Applied Technical Mechanics for Mechanical Engineering at the TU of Clausthal Zellerfeld, Germany, and started working in the industry as manager of the engineering office INPLAKO GmbH, designing components and plants for iron & steel industry like blast furnaces, coke ovens and various other components (1997 - 2003). Later (2003 – 2006) he was employed at RWE Solutions GmbH as the head of design and arrangement planning for flue gas desulphurization plants. Buddenberg joined former Babcock Hitachi Europe GmbH, later Hitachi Power Europe GmbH (HPE) and nowadays Mitsubishi Hitachi Power Systems Europe GmbH (MHPSE) in 2006 as proposal manager for air quality control systems, combine cycle power plants and CCS. His main responsibilities were economic evaluations and related cost estimations of technologies developed at R&D.

Patrick Canal
Energy Storage Club Managing Representative, ATEE-CSE
Patrick Canal is "Club Stockage d'Énergies" (Energies Storage Club) Executive officer at Energy and Environment Technical Association located in Paris since 2010. This Club represents about 40 industrial companies and main actors in hydrogen, electricity and thermal stationary storage and contributes to technical, regulatory and economic analysis in the context of energy transition in France conducted by the French administration and government. Formerly, Patrick Canal was implicated for many years in storage R&D activities in GDF SUEZ Research Division in Saint-Denis, on CHP, NGV's and energies storage activities.

Philippe Cassagne
Chief Technology Officer, GDF SUEZ Energy Europe
Philippe Cassagne is Chief Technology Officer in GDF SUEZ Energy Europe, in charge of making new technologies and business models fit together on the European markets. He has 35 years of experience in the energy sector, half in Research & Development, and half in international Business Development. He is an Engineer graduated from Ecole des Mines de Paris (MINES ParisTech). He has also been granted a PhD in Physics and Economy of energy.

Cedric Christensen
Director of Market Development, CESA
Cedric Christensen leads market development initiatives for the California Energy Storage Alliance (CESA) and Strategen Consulting. With a strong focus on "behind the meter" services for commercial and industrial clients he serves CESA as chair for the Demand Response (DR), Integrated Demand Side Management (IDSM), and Renewable Portfolio Standard (RPS) working groups. He's the Program Manager for the DOE Global Energy Storage Database - the wikipedia of Energy Storage (goo.gl/xAbvxG) and helps a range of Strategen Consulting clients including renewable energy equipment manufacturers and service providers, large corporations diversifying into clean energy, and real estate developers building sustainable communities. In his role as Director of Market Development he led CESA's expansion in the midst of AB2514 implementation (1,325 GW energy storage target) – the Energy Storage Assembly Bill. Since he joined the organization, he has worked on a number of strategic market development initiatives with key regulatory agencies (CPUC, CEC, CAISO, and the CA Governor's Office). His work includes launching Energy Storage North America, the largest Energy Storage Conference in North America. Prior to CESA, he was General Manager for Agrion - a global network of Fortune 500 companies focused on Energy and Sustainability. He is a former United Nations Strategy Consultant with extensive international experience managing sustainability and renewable energy projects with UNDP in Ecuador, the Global Environmental Fund and Ubifrance, French embassy trade office. Cedric received his Master's Degree in Policy & International Affairs from Sciences Po Paris.

Patrick Clerens
Secretary General, EASE
Mr Patrick Clerens studied law at the University of Saarbrücken and the University of Mainz. Since 1996, he has worked as a consultant for a private company specialising in European Affairs in Brussels. In his capacity as Brussels Representative of different European associations, he has been in involved in the climate and energy field since 2003. He manages the EASE office in Brussels as the Secretary General since September 2011, when the association was created. EASE believes that energy storage is an indispensable instrument to improve the stability and flexibility of the energy system with respect to European energy and climate policy. EASE aims to support the transition towards a sustainable energy system in Europe.

Tudor Constantinescu
Principal Advisor to the Director-General, DG Energy, European Commission
Tudor Constantinescu is Principal Adviser to the Director General for Energy in the European Commission since March 2011. He coordinates activities related to steering the use of Structural Funds for energy priorities as well as initiatives related to Hydrogen and storage in the energy system. Economist and engineer, he is dedicated to the topic of sustainable and competitive energy policies. Before starting with the Commission, he set up as founding Executive Director the Buildings Performance Institute Europe (BPI Europe), the European pole of a global best practice network focusing on energy efficiency in buildings. He was the president of the Romanian Agency for Energy Conservation (ARCE), the national Governmental institution in charge of energy efficiency policies and programs, and promoting renewable energy sources. For the period 2008-2009 he ensured the rotating presidency of the EnR network of European Energy Agencies. In the private sector, he led as a consultant the development of the Energy Efficiency strategy for Petrom (largest oil and gas producer in SE Europe) and served for two years on the Board of the Romanian Energy Efficiency Fund. For 11 years, he worked for the Energy Charter Secretariat in Brussels coordinating energy efficiency and related environmental activities on international level conducting large scale country reviews and studies on financing and fiscal instruments, carbon trading, and effects of market liberalization. He served also as an itinerant lecturer at the University Politehnica Bucuresti (UPB) and at the Central European University in Budapest. Tudor Constantinescu holds a master degree in energy engineering from the UPB, a master degree in applied economics from the Institute of Advanced Studies Vienna, and a Doctor of Science degree on regulatory economics in the energy sector from the UPB.

Anne de Guibert
Corporate Research Director, Saft
Anne de Guibert is SAFT Corporate Research Director since 1996. She has 34 years of experience in Battery R&D projects. She holds a degree in Engineering from ESPCI (Ecole Supérieure de Physique et de Chimie industrielles - Paris) and a PhD in Electrochemistry from Paris University.

Bernard Delpech
President, EASE
Deputy Executive Vice-President, EDF R&D
Bernard Delpech has been leading the industrial development of EDF Group Distributed Generation business division, managing Transmission and Distribution Business Units, and Head Financial Controller for EDF France. He graduated from Ecole Polytechnique the major French high education institution, and has been granted a PhD in Applied Mathematics. Bernard Delpech assumed the role of President of EASE in September 2011.

Yulong Ding
Professor, University of Birmingham
Prof. Yulong Ding is Professor of Chemical Engineering and Director of Birmingham Centre for Energy Storage. He currently holds the Founding Chamberlain Chair of Chemical Engineering and RAEng-Highview Chair of Cryogenic Energy Storage with the University of Birmingham. He joined Birmingham in October 2013. Prior to this, he was Professor and Director of the Institute of Particle Science & Engineering at the University of Leeds. He has significant track record in energy storage particularly cryogenic energy storage, energy materials and energy processes. He has a current research focus on developing novel high-temperature heat-transfer fluids and thermal-energy storage materials. He has been a PI or Co-I of research projects with over £20M funds over the past 10 years. He has >13 patents, >400 papers. He was recently listed as top 1% highly cited researchers with consistent impact over 2002-2012 in the engineering category by Thomson Reuters. He made a major contribution to the 2011 'The Engineer' Energy & Environmental and Grand Prix awards, and 2012 Rushlight Energy Environmental and Power Generation and Transmission awards.

David Elzinga
Senior Energy Technology Analyst, IEA
David is a Senior Energy Technology Analyst leading the IEA's annual flagship publication – Energy Technology Perspectives (ETP). Managing 30 analysts contributing to this publication, ETP 2014 focused on the increasingly essential role of electricity in global energy systems. In addition to this role, he has led the IEA's work on electricity system technologies, such as Smart Grids, including system modelling, policy and technology analysis. Over the course of his career David has worked in the energy and climate fields for over 15 years, with focus areas of technology, policy and analysis in both private and public sectors. In these roles he developed markets, deployed renewable and energy efficiency technology and has advised various governments at the local and national levels on energy policy – both in developing and developed countries. Speaking at numerous events globally, he continually carries the message of appropriate technology use and deployment.

Laurent Fournié
VP Energy Division, Artelys
Laurent Fournié has more than 10 years of experience in carrying out techno-economic studies in the energy field. Graduate from the Ecole Polytechnique, he was first with Voltalis, one of the first demand response companies in France. At Artelys, he is Vice President and manages various studies on the evaluation and optimization of large energy systems for clients in Europe. Among others, he conducted the study on energy storage potential for France by 2030, for the French Ministry of Industry.

Sebastian Freund
Research Engineer, GE – ADELE project
Sebastian Freund of the Energy Systems Lab at General Electric Global Research in Garching near Munich specializes in thermodynamics and heat transfer. He leads research and development projects including thermal power plants and compressed air energy storage. Previously he worked at the Institute for Thermodynamics of the Federal Armed Forces University in Hamburg and holds a PhD in mechanical engineering. At the Industrial Refrigeration Consortium in Madison, WI, he worked on HVAC&R efficiency improvement and graduated from the Solar Energy Lab of the University of Wisconsin.

John Hayling
Investment, Policy and Low Carbon Development Manager, UK Power Networks
John Hayling has worked for UK Power Networks since 2007, where he has been involved in a number of future networks and major connections projects. Prior to this John worked in a variety of senior commercial and engineering roles with EDF Energy, RWE npower and National Grid. John is a graduate engineer and began his career in construction working for the CEGB on the ground breaking project building the 2000MW DC interconnector link with France in the 1980's.

David King
UK Foreign Secretary's Special Representative on Climate Change
The Foreign Secretary appointed Sir David King as his new permanent Special Representative for Climate Change in September 2013. Sir David was previously the Government's Chief Scientific Advisor from 2000 – 2007, during which time he raised awareness of the need for governments to act on climate change and was instrumental in creating the Energy Technologies Institute. He also served as the Founding Director of the Smith School of Enterprise and Environment at Oxford; was Head of the Department of Chemistry at Cambridge University 1993-2000 and Master of Downing College at Cambridge 1995 -2000. Sir David has published over 500 papers on science and policy, for which he has received numerous awards, and holds 22 Honorary Degrees from universities around the world. Elected a Fellow of the Royal Society in 1991, a Foreign Fellow of the American Academy of Arts and Sciences in 2002 and knighted in 2003, Sir David was also made an Officier of the French Legion d'Honneur' in 2009, for work which has contributed to responding to the climate and energy challenge.

Colette Lamontagne
Chairwoman, ESA
Colette Lamontagne is a Director in the Energy Practice at Navigant Consulting. Her current work focuses on emerging energy technology research and development including energy storage and smart grid. Ms. Lamontagne has twenty years of consulting experience focusing primarily on emerging technology demonstrations, industrial energy efficiency, and environmental engineering. Ms. Lamontagne has conducted and provided oversight for numerous lab-, bench-, and pilot-scale technology R&D programs.

Dominique Laurent
Business Development Director, AES
Dominique is a Business Development Director for AES in Europe and the Middle East. He is currently focusing on the development of energy storage solution in Europe. He has worked for AES for 5 years out of their London and Istanbul offices in a variety of development role, greenfield development and M&A of renewable and thermal power plants. Prior to working for AES, Dominique was a consultant in the Corporate Finance team of PwC in London.

Michael Lippert
Marketing and Business Development Manager, Saft
Michael Lippert is Marketing and Business Development Manager for Saft's Transportation, Telecom and Grid Division. He is holding a degree in European Business Studies in France and Germany and has been working for more than 20 years in different international sales and marketing positions at Saft for Railway, Traction and Stationary markets. His current responsibilities cover strategic and operational marketing for Industrial Battery Markets, in particular market and product development for Renewable Energies and Smart Grids.

Fabien Lucet
Head of Project, EDF R&D
Fabien Lucet has been working at EDF since 2004. He worked 7 years on electronic components ageing and reliability. Then in 2011 he became project manager on electrochemical storage. He worked, amongst others, on the R&D tests for the NiceGrid project. In 2012 he set up a project on using batteries to provide frequency regulation to the grid.

James Macnagthen
CEO, Isentropic
Mr James Macnaghten trained as a Mechanical Engineer at Cambridge University. He founded Isentropic with Jonathan Howes and Mark Wagner. He is an entrepreneur who has previously built up a number of successful non-engineering companies. Mr Macnaghten has a detailed understanding of energy storage technologies and the issues that the industry faces. Additionally, he is a member of the Market Design Working Group for the European Association for Storage of Energy (EASE).

Joseph Maire
Technical Director of the Smart Grid Programme, EDF - SEI
Joseph Maire is technical director for smart grid activity at EDF Insular Energy System Division since 2010. Before, Mr Maire was in charge of an R&D program on smart grid contributing to the kick off of smartgrid activity at ERDF. SEE senior member and Eminent member of CIGRE, J. Maire has written numerous international publications and has been involved in the management of various development projects.

Yoshiyuki Nagaoka
Energy System Division Manager, Sumitomo
Yoshiyuki Nagaoka is manager of the Energy System Division at Sumitomo Electric Industries, Ltd in Japan. He has nearly 20 years' experience in electrical power industry covering energy storage, transmission line and substation fields. He has successfully designed and managed several flow battery systems and projects. Currently, he is involved in the world's largest flow battery project which is a 60 MWh project located in Hokkaido Japan. He also leads Sumitomo's global standardization activities in flow battery and is the project leader for the safety standard of flow battery of IEC TC 21 JWG 7. Yoshiyuki holds a Bachelor of Engineering and Master of Science from Nagoya Institute of Technology.

Ali Nourai
Member & Former Chairman of the Board of Directors, ESA
Dr. Ali Nourai joined DNV GL Energy (formerly KEMA) as an Executive Consultant in 2010 after a 30-year utility career with American Electric Power (AEP) where he launched AEP's successful sodium sulfur (NaS) battery program and introduced the concept of the Community Energy Storage (CES). As the Storage Segment Director, Dr. Nourai is responsible for supporting thought leadership, road mapping and outlining the company's strategic options in energy storage. Dr. Nourai is an IEEE Fellow, a board member and former chairman of the Energy Storage Association (ESA). He holds six US patents for his innovative ideas to improve operation and performance of electric grids.

Stathis Peteves
Head of the Energy Systems Evaluation Unit, Joint Research Centre, European Commission
He has been working for the Commission since 1987. His current focus is the energy technology pillar of EU's energy & climate change policy, the Strategic Energy Technologies Plan (SET-Plan) and specifically its Integrated Roadmap. He leads the Commission's Strategic Energy Technologies Information System (SETIS). Stathis holds degrees from the National Technical University of Athens, the George Washington University (MSc) and the University of Florida (PhD). He has authored more than 100 publications and 4 books.

Matt Roberts
Executive Director, ESA
Matt Roberts serves as the Executive Director of the Energy Storage Association, overseeing operations and strategic initiatives for the industry's trade association. Matt has over 15 years of experience in energy policy, communications and association management with a recognized expertise in renewables, distributed energy, and sustainable infrastructure. Prior to joining ESA, Matt oversaw policy and operations for a global energy trade association focused on reforming the transportation infrastructure and expanding the use of renewable fuels. Mr. Roberts began his career as a House staffer and speech writer, and has consulted in the energy industry with organizations and companies focused on solar, wind and geothermal energy policy and deployment.

David Rosewater
Energy Storage Test Engineer, Sandia National Laboratories
Mr. Rosewater is a key member of the Sandia Energy Storage Safety Validation team where he uses the US Department of Energy's Energy Storage Test Pad (ESTP) located at Sandia National Laboratories to characterize AC integrated energy storage systems up to 1MW in size. Mr. Rosewater holds a Professional Engineering license in the state of New Mexico with a specialty in electrical power engineering. Prior to moving to the stationary energy storage sector at Sandia National Laboratories in 2011 Mr. Rosewater spent three years working with the Idaho National Laboratory developing advanced spectral impedance measurement techniques for hybrid vehicle batteries. He obtained his master's degrees in electrical engineering from Montana Tech.

Klaus Peter Röttgen
Head of Innovation Center Energy Storage, E.ON
Since 2011 Dr K. Peter Röttgen iss Vice President of EASE. From 2011 Dr Röttgen is leading the E.ON Innovation Center Energy Storage located at Uniper Gas Storage GmbH in Essen, Germany. He is responsible for the development of Energy Storage technologies, especially Electric Storage, Power to Gas and Thermal Energy Storage. Dr Röttgen worked at the Authority of Mining, Energy and Geology in Hannover, Germany, from 1992 to 2008 as Advisor, Department Manager, Area Manager and Deputy Head Official.

Rainer Saliger
Innovation Manager – Energy Storage, Siemens
Mr Saliger is Innovation Manager and Key expert Energy Storage, Regulatory Framework at Siemens. He joined Siemens in 2007 as a Market analyst for Regional power generation trends and was later Business Development Renewables and Innovation Manger for Distributed generation and Energy Storage. He graduated as physicist from the University of Würzburg and he holds a PhD in physics on Materials for Supercapacitors, University of Würzburg.

Michael Salomon
Ceo, Clean Horizon
Michael obtained his engineer's degree at Mines ParisTech in France and his Ph.D. at Stanford in the USA. He witnessed the booming of cleantech venture capital and entrepreneurship while an academic in the Silicon Valley, and then went on to become a management consultant at McKinsey in Paris. Since 2009, Michael has been believing that a high penetration of renewable energy can only be possible if a strong energy storage sector is formed. He thus founded Clean Horizon to provide technological, regulatory and business expert information to stakeholders of this emerging industry.

Roland Schulze
Managerial Adviser - Low Carbon Energy Technology, EIB
Roland Schulze has more than 20 years of professional experience in the energy sector. After having obtained a Master Degree in Engineering (mechanical engineering, thermodynamics), his professional activities brought him from the conventional energy sector (coal combustion, emission reduction technologies) to international engineering consulting (energy, environment, waste) and for a decade now to technical advisory services and project appraisal at the European Investment Bank (EIB). Mr Schulze is involved in due diligence activities of energy sector projects (conventional, renewables, Energy Efficiency) comprising various project sizes and financing structures. Recently Mr Schulze has been in charge of the assessment of project applications submitted under the NER300 Initiative, which focuses on innovative low carbon energy technologies. Mr Schulze also holds a post-graduate master degree in national and international Environmental Law and Environmental Management.

Heiko Staubitz
Senior Manager Smart Grid & Energy Storage, Germany Trade and Invest
Heiko Staubitz has been senior manager in the department for Renewable Energies & Resources within GTAI since 2007. He is head of task force smart grid and responsible for the industrial settlement of international investors in Germany in the field of energy storage and smart grids. He studied mechanical engineering and worked for many years as product developer in the field of renewable energies and energy efficiency at Energie Baden-Württemberg AG (EnBW).

Andreea Strachinescu
Head of Unit - New Energy Technologies, Innovation and Clean Coal, DG Energy - European Commission
Andreea works with the European Commission in the Directorate General for Energy as Head of Unit for new energy technologies, being responsible for the development of the policy and actions on non-nuclear energy research and innovation. Ms. Strachinescu studied mechanical engineering and business administration in Bucharest, Romania and she has a Master of Science in International Economics from H.E.C. Montreal, Canada. Prior to joining the European Commission, Ms. Strachinescu worked for public administration in Romania and Canada, in the field of economic development and international trade policies and actions.

Axel Strang
Green Technologies Policy Advisor Smart Grids, Energy Storage and Hydrogen, General Directorate for Energy and Climate Change, Ministry of Ecology, Sustainable Development and Energy

Oliver Teller
Product Director, Alstom Renewable Power Hydro
Olivier Teller has the responsibility for Pumped Hydro Storage Plants product management. In this role, he is responsible for the product development strategy to address the global market. He has played a key role in various projects at Alstom such as the first upgrade of a conventional pumped hydro storage plant to variable speed and the development of a pumped storage plant that uses sea water. Olivier Teller is also the coordinator of eStorage Project, a European Commission funded energy storage research initiative. In addition, he is a board member of EASE (European association for the storage of energy), Super Grid Institute (Public Private Partnerships to develop the technologies of the future super grid). He has also been a member of the advisory board for the U.S. department of Energy's Pumped Storage Summit. He is a frequent industry speaker and has published numerous papers on hydroelectricity and renewable energy. Olivier Teller holds a master's degree in Engineering (Mechanics and Physics) from the Universite de Liege in Belgium (1993). He also has an MBA from Cranfield University in the UK (2008).

Davy Theophile
Conversion Solution Director, Alstom Grid
Davy Theophile joined Alstom Grid in September 2012 as Conversion Solution Director for Smart Grid. He is responsible for managing energy storage activity, leading the product roadmap, strategy development and the identification of new opportunities. After gaining experience at the Direction Générale de l'Aviation (DGA) and Electricité de France (EDF), he joined Alstom Hydro business in 1999 as electrical engineer, before becoming Technical Project Manager and then Head of Systems Engineering Department. In 2007, he moved to Alstom Environmental Control Systems activity as Global Engineering Office Director and was located in India. From 2009 until 2012, he was appointed as Project Director and Front Office Director within Alstom Carbon Capture business. Davy is an electrical engineering graduate of the French Engineering School, Ecole Nationale Supérieure d'Electricité et de Mécanique (ENSEM), at Nancy.

Anna Carolina Tortora
Head of Innovation and Development – Terna
Ms Tortora heads the Department of Innovation and Development within Terna Storage, the Italian TSO's subsidiary in charge of the implementation of Terna's 300 Million Energy Storage projects. An MIT alumna with an aerospace background, Miss Tortora first ventured into the energy field within Terna's Business Development department, where she actively participated in making the case for the deployment of Energy Storage within the Italian national HV grid. She has since led the department currently responsible for Terna's acquisition and installation of 40 MW of Power Intensive Energy Storage Systems. Her activities focus on the present as well as the future applications of storage technologies in order to determine how to best integrate them with the national grid's control system.

Erik Wolf
Product Manager, Siemens
In 1997 Erik Wolf started his professional career with Siemens AG after finishing his studies with a master degree in air and space technology at the university in Aachen, Germany. He then gained field experience of large stationary gas turbine power plants as a field engineer. In 2000 he joined a research and development team of scientists and engineers to support the construction of fuel cells in a former Siemens-Westinghouse research center in Pittsburgh PA (USA). There he was responsible for the integration of the micro turbine and conformity declaration according to CE Directives of the whole power generation system. In 2003, he returned to Germany, Erlangen, and became a member of the Energy Sector Chief Technology Office where he managed various long term focused projects such as CO2-free power plants, fuel cycle assessment of power plants and other strategic projects. Since 2006 he is working on the integration of renewable energies into the present energy system. The main focus there is energy storage technologies with their specific performance characteristics as an enabler to achieve large shares of renewable energy implementation into the energy infrastructure. Since the end of 2012 he is chairman of the newly found IEC TC120 Electrical Energy Storage System, which will provide standards for energy storages. In his professional carrier he is product manager for PEM based hydrogen electrolyzer. Mr. Wolf had joint the German VDE working group on energy storage and contributed his knowledge as a co-author to a well-recognized VDE / ETG-study on energy storage technologies in 2009.He took part in the setup and foundation of the European Association for Storage of Energy (EASE) in 2011. He is active in various working groups and reports at conferences such as the International Renewable Energy Storage (IRES) conference and fairs like the Hannover Industry, Husum Wind about energy storage and renewable energy system integration regularly.

Andrei Zschocke
Head of Technical Innovation, E.ON Innovation Center Energy Storage
Dr. Andrei Zschocke graduated at Technical University of Berlin and started his career at the Leibniz Institute for Applied Geosciences in cooperation with Aachen University. The task was to describe large geothermal systems through numerical simulation. 2005 he took a job position as reservoir engineer at E.ON for underground gas storages facilities. Gradually, the management of research became the main task and led to his current position based in Essen as Head of Technical Innovation for E.ON Innovation Center Energy Storage. The responsibility of his team is to develop and demonstrate technical solutions for storage applications and to strategically manage an R&D portfolio.

Andreas Zucker
Scientific Technical Officer, Joint Research Centre, European Commission
Andreas Zucker is working as an official of the European Commission at the JRC in Petten, Netherlands. His work includes Research and Policy advice on a number of topics related to energy storage, RES market integration, energy systems modelling and technology development. He has previously worked for two German utilities for more than 8 years on topics ranging from power generation investment projects, nuclear strategy, market analysis, corporate R&D and corporate strategy before joining the European Commission in May 2012.

Stefan Zunft
Research Area Manager Thermal Components, DLR-ADELE project
Dr. Stefan Zunft is the head of the research area "Thermal Components" at the DLR's Institute of Technical Thermodynamics since 2006. His work focuses on the development high-temperature heat storage and heat management in solar and industrial applications. Prior to joining DLR in 1991, he studied at the Universities of Hannover and Stuttgart, graduated as a mechanical engineer from the University of Stuttgart in 1991 and received his Ph.D. degree in 2002. Since 1991 he has coordinated and participated in numerous national and international projects on CSP, power plant technology and industrial processes.